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# Datasheet for ABIN6939424 anti-PSMA antibody (AA 232-433)

4 Images



Overview

Quantity:	100 µg
Target:	PSMA (FOLH1)
Binding Specificity:	AA 232-433
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PSMA antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

## Product Details

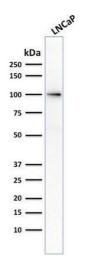
Immunogen:	Recombinant human FOLH1 protein fragment (around aa 232-433) (exact sequence is proprietary)
Clone:	F0LH1-2354
Isotype:	lgG2b kappa
Purification:	Purified by Protein A/G

# Target Details

Target:	PSMA (FOLH1)
Alternative Name:	FOLH1 (FOLH1 Products)
Background:	Folate hydrolase 1 (FOLH1), also known as Prostate-specific membrane antigen (PSMA), is a

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	type II transmembrane glycoprotein belonging to the M28 peptidase family. FOLH1 has two
	enzymatic activities, one as a prostate-specific integral membrane folate hydrolase and the
	other as a carboxypeptidase In the prostate the protein is up-regulated in cancerous cells and is
	used as an effective diagnostic and prognostic indicator of prostate cancer.
Molecular Weight:	100kDa
Gene ID:	2346
UniProt:	Q04609
Application Details	
Application Notes:	Positive Control: LNCap or HepG2 cells. Prostate Carcinoma.
	Known Application: Western Blot (1-2 $\mu$ g/mL), Immunohistochemistry (Formalin-fixed) (1-2 $\mu$
	g/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in
	10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal
	dilution for a specific application should be determined.
Restrictions:	For Research Use only
Handling	
Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody
	is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months

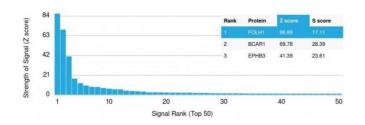


## Western Blotting

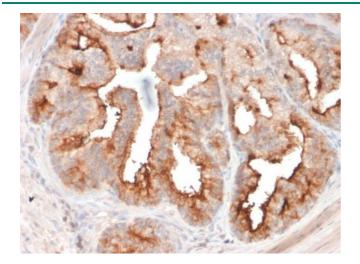
**Image 1.** Western Blot Analysis of human LNCaP cell lysate using FOLH1 Mouse Monoclonal Antibody (FOLH1/2354).

#### **Protein Array**

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using FOLH1 (PSMA) Mouse Monoclonal Antibody (FOLH1/2354). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



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### Immunohistochemistry

**Image 3.** Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with FOLH1 Mouse Monoclonal Antibody (FOLH1/2354).

Please check the product details page for more images. Overall 4 images are available for ABIN6939424.